SUMMARY

The Facility Stabilization mission consists of the following projects: B-Plant, WBS 1.4.1, Project Baseline Summary (PBS) TP01; Waste Encapsulation and Storage Facility (WESF), WBS 1.4.2, PBS TP02; Plutonium-Uranium Extraction (PUREX) Facility, WBS 1.4.3, PBS TP03; 300 Area/Special Nuclear Materials, WBS 1.4.4, PBS TP04; Plutonium Finishing Plant (PFP), WBS 1.4.5, PBS TP05; Transition Project Management, WBS 1.4.6, PBS TP12; Accelerated Deactivation, WBS 1.4.8, PBS TP10; 324/327 Facility Transition, WBS 1.4.10, PBS TP08; and Hanford Surplus Facility Program (300 Area Revitalization), WBS 1.4.11, PBS TP14.

The completion of the Tri-Party Agreement milestone M-82-00, "Complete B Plant Facility Transition Phase and Initiate the S&M Phase," remains on schedule for September 30, 1999.

PFP continues to make significant progress in the thermal stabilization process. Readiness to start thermal stabilization of process residues currently stored at the PFP was declared on July 9, 1999. This startup review was performed in accordance with PFP's Thermal Stabilization Restart Plan and follows the restart of thermal stabilization of plutonium oxides.

As background, thermal stabilization operations began on January 15, 1999, using high quality plutonium oxides as feed material. This feed was selected first because its characteristics are better known, it presents lower risk, and would prove the capability and reliability of the stabilization furnaces. After several months of successful operations, moving on to the stabilization of process residues (shifting to sludge type feed) would be the next step, providing an even higher payoff for risk reduction. Actual thermal stabilization operations of process residues began the week of July 12, 1999. By month end a total of five and one half sludge items were processed. However, it is proceeding at lower rates than anticipated because organic levels in the sludges are higher than allowed in a single furnace charge and because of mechanical problems with the furnaces. In addition, four cans of plutonium oxide material were safely stabilized in July, bringing the total number of cans stabilized to date to 73.

This latest accomplishment follows the July 2, 1999 declaration of readiness to execute the restart plan of the prototype calciner for plutonium solutions at PFP. Restart of the prototype represents an important step forward in preparing the PFP to stabilize the wide variety of material types remaining in Hanford's plutonium inventory. Unfortunately, during the initial testing activities prescribed in the re-start plan, an oil-water mixture was found in the prototype calciner, preventing re-start. This mixture was determined to be condensation from the process-air line. Work was initiated on the installation of a dedicated breathing air compressor and the system was cleaned out. This delay adversely impacts meeting the FY 1999 target of stabilizing forty liters of plutonium solution. The projected target by yearend is ten liters stabilized, and schedule recovery is expected in FY 2000.

Other progress at PFP includes the completion of the Magnesium Hydroxide [$Mg(OH)_2$] Precipitation Process glovebox design ahead of schedule. A full-sized mockup of the $Mg(OH)_2$ gloveboxes was completed to support final design details.

The Project W-460, "Plutonium Stabilization and Handling (PuSH) 90% Conceptual Design Report

(CDR)" was submitted for review as scheduled. The U.S. Army Corp of Engineers has been contracted to conduct the CDR review. A comprehensive baseline change request (BCR) is being prepared to support project re-validation in mid-August. Initial evaluation indicates that the actual vault upgrades will not be prohibitively expensive if the cost is spread over the four-year span of PFP's stabilization operations after the bagless transfer system (BTS) is installed. However, costs associated with continued storage of the stabilized plutonium and extended shipping schedules could prove to be extremely high, at over $10 million per year.

B Cell cleanout got a significant boost as both the 10-ton and 3-ton cranes have been repaired and are operating simultaneously. This is the first time in one and a half years both cranes have been in service at the same time without restrictions. Unrestricted use of both cranes is required to pull the 2A Rack from the cell wall, which will allow completion of the 1A size reduction activity.

Related progress includes an agreement reached with Waste Management Hanford (WMH) on grout container dose profiling methodology. Revision of dose profiling procedures and modification of equipment has been started. However, until these activities are completed along with sample analyses and the completion of the technical basis for determining the transuranic/low-level waste (TRU/LLW) content, B Cell waste shipments are suspended. This is causing space limitation problems in B Cell and posing a challenge to meeting the Tri-Party Agreement Milestone, M-89-02, "Complete Removal of 324 Building REC B Cell MW and Equipment," due November 30, 2000. Other progress includes the completion of F & G Cell cleanout at the 327 facility two months ahead of schedule, and the shipment of six additional lead-lined drums filled with waste buckets from the 327 building to 200 West Area storage. This brings the total drums shipped to date to seventeen. Plans are to ship twenty-three drums by September 30, 1999, which exceeds by 3 the FY 1999 target of loading and shipping 20 concrete-lined and/or lead-lined drums filled with waste buckets.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, FO, and RL) shows that 10 of 27 milestones (37 percent) were completed on or ahead of schedule, 4 milestones (15 percent) were completed late, and 13 milestones (48 percent) are overdue. Of those overdue, 7 milestones are associated with former DNFSB 94-1 commitments that have been superseded by the new Implementation Plan. These milestones will be deleted through baseline change control currently in process. Further details can be found in the milestone exception report beginning on page F: 10.

ACCOMPLISHMENTS

- Declared readiness to restart testing of the prototype calciner at PFP seven days ahead of schedule. (Planned)
- Initiated thermal stabilization of process residues at PFP. (Planned)
- Stabilized four cans of Pu-bearing oxide feed material and five and a half sludge items at PFP. (Planned)
- Completed $Mg(OH)_2$ Precipitation Process glovebox design eleven days ahead of schedule. (Planned)

- Submitted Line Item Project W-460, "Plutonium Stabilization and Handling (PuSH)" 90% CDR on schedule. (Planned)
- Completed repairs of B Cell 10-ton and 3-ton cranes; both cranes operating simultaneously with no restrictions. (Planned)
- Completed 327 F & G Cell cleanout two months ahead of schedule. (Planned)
- Shipped 6 lead-lined drums from the 327 Facility to 200 West Area storage; 17 of 20 drums shipped to date. (Planned)

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Facility Stabilization	$129.4	$130.7	-$1.3

The $1.3 million (one percent) unfavorable cost variance is within the 5 percent established threshold. Further information can be found in the Cost Variance Analysis beginning on page F: 7 for details at the PBS level.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Facility Stabilization	$129.4	$137.6	-$8.3

The $8.3 million (6 percent) unfavorable schedule variance is primarily due to the delays with the B Cell clean out, Tank 241-Z-361 venting/vapor sampling, and Project W-460's change in mission not reflected in schedule. Further information at the PBS level can be found in the Schedule Variance Analysis beginning on page F: 8.

ISSUES

1) **PIPES IN TANK RISERS IMPEDE TANK 241-Z-361 CORE SAMPLING** A videotape of the tank interior disclosed piping in the riser that is to be used for core sampling. This may limit the ability to obtain representative core samples.

Strategy/Status: Two risers have been opened and the pipe configuration established. A second core sample may be obtained between the outside diameter of the pipe and the inside diameter of the riser. Structural steel for the bridge to support the tank sampling has been installed. Work packages and plans are being prepared to conduct the core samples and in-tank Non-Destructive Assay.

This is the last month this item will be reported as an issue.

2) **ENVIRONMENTAL PROTECTION AGENCY (EPA) APPROVAL OF TANK 241-Z-361 SAMPLING AND ANALYSIS PLAN (SAP).** EPA informed RL and the PHMC Contractor that approval of the SAP would be contingent on submittal of a change request to establish Tri-Party Agreement milestones. A delay in approval may impact tank core sampling.

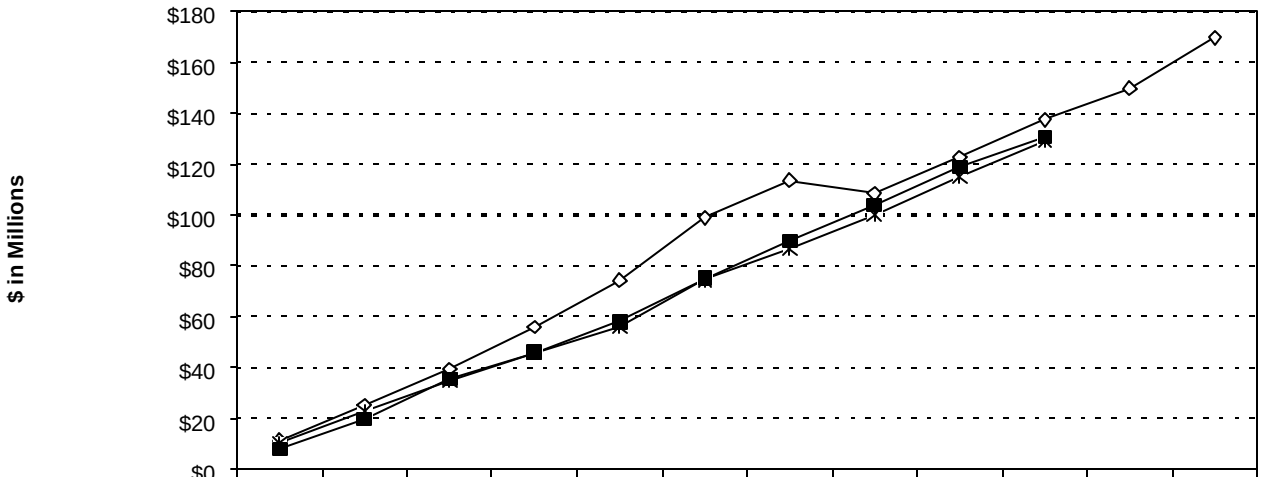
Strategy/Status: A change request was approved establishing two Tri Party Agreement milestones. EPA approved the SAP.

This is the last month this item will be reported as an issue.

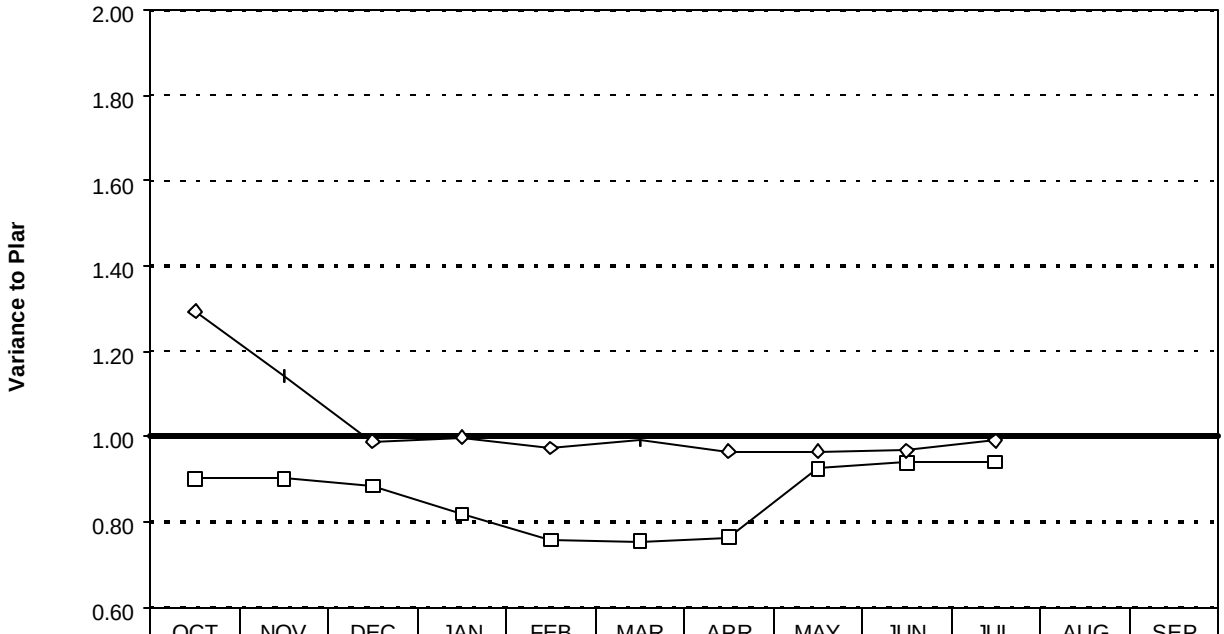
FACILITY STABILIZATION
WBS 1.4

FY 1999 COST/SCHEDULE PERFORMANCE - ALL FUND TYPES

Cumulative to Date Status



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FYSF												
PTS BCWS	11.3	25.1	39.4	55.9	74.4	98.8	113.7	108.5	122.6	137.6	150.0	169.6
BCWP	10.2	22.6	34.9	45.7	56.3	74.5	86.7	100.3	115.1	129.4		
ACWP	7.9	19.8	35.3	45.8	57.8	75.1	89.8	104.0	118.9	130.7		
SV	(1.1)	(2.5)	(4.6)	(10.2)	(18.1)	(24.3)	(26.9)	(8.2)	(7.5)	(8.3)		
CV	2.3	2.8	(0.4)	(0.1)	(1.5)	(0.6)	(3.1)	(3.6)	(3.8)	(1.3)		



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SPI	0.90	0.90	0.88	0.82	0.76	0.75	0.76	0.92	0.94	0.94		
CPI	1.29	1.14	0.99	1.00	0.97	0.99	0.97	0.97	0.97	0.99		

FACILITY STABILIZATION
WBS 1.4

			FYTD					AUTH	PTS
			BCWS	BCWP	ACWP	SV	CV	BSLN	BCWS
1.4.1.1 TP01	B-Plant	Expense	2.7	2.6	2.7	(0.1)	(0.2)	3.0	3.0
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	(0.2)	0.0	0.2	0.0	0.0
	Subtotal 1.4.1.1		2.7	2.6	2.5	(0.1)	0.0	3.0	3.0
1.4.2.1 TP02	WESF	Expense	9.1	8.4	8.8	(0.7)	(0.4)	10.5	11.1
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.2.1		9.1	8.4	8.8	(0.7)	(0.4)	10.5	11.1
1.4.3.1 TP03	PUREX	Expense	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.3.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4.4.1 TP04	300 Area/SNM	Expense	3.5	3.5	3.4	(0.0)	0.1	4.6	4.6
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.4.1		3.5	3.5	3.4	(0.0)	0.1	4.6	4.6
PFP									
1.4.5 TP05	PFP	Expense	79.2	75.6	77.9	(3.6)	(2.3)	94.1	97.2
		CENRTC	0.1	(0.0)	0.0	(0.1)	(0.0)	0.1	0.1
		GPP/LI	3.0	1.0	1.6	(2.0)	(0.6)	2.4	2.4
	Total 1.4.5.1		82.2	76.6	79.5	(5.6)	(2.9)	96.6	99.6
PFP Total		Expense	79.2	75.6	77.9	(3.6)	(2.3)	94.1	97.2
		CENRTC	0.1	(0.0)	0.0	(0.1)	(0.0)	0.1	0.1
		GPP/LI	3.0	1.0	1.6	(2.0)	(0.6)	2.4	2.4
	PFP Total		82.2	76.6	79.5	(5.6)	(2.9)	96.6	99.6
1.4.6.1 TP12	Transition Project Mgmt	Expense	11.8	11.6	7.9	(0.2)	3.8	14.5	15.1
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			11.8	11.6	7.9	(0.2)	3.8	14.5	15.1
1.4.8.1 TP10	Accelerated Deactivation	Expense	2.0	1.8	1.8	(0.2)	0.0	2.7	2.7
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.8.1		2.0	1.8	1.8	(0.2)	0.0	2.7	2.7
1.4.10.1 TP08	324/327 Facility Transition	Expense	25.8	24.5	26.3	(1.4)	(1.9)	32.4	33.6
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.10.1		25.8	24.5	26.3	(1.4)	(1.9)	32.4	33.6
1.4.11.1 TP14	HSFP 300 Area Revitalization	Expense	0.4	0.4	0.5	(0.0)	(0.1)	0.5	0.5
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.11.1		0.4	0.4	0.5	(0.0)	(0.1)	0.5	0.5
FACILITY STABILIZATION		Expense	134.6	128.4	129.3	(6.2)	(0.9)	162.3	167.7
		CENRTC	0.1	(0.0)	0.0	(0.1)	(0.0)	0.1	0.1
		GPP/LI	3.0	1.0	1.4	(2.0)	(0.4)	2.4	2.4
	Facility Stabilization Total		137.6	129.4	130.7	(8.3)	(1.3)	164.8	170.1

$ In Millions

COST VARIANCE ANALYSIS: (-$1.3)

WBS/PBS **Title**

1.4.2/TP02 **WESF**

Description and Cause: The unfavorable cost variance is due to increased preparation activities related to the Facility Evaluation Board (FEB) visit and corrective/preventative maintenance.
Impact: A cost overrun at year-end could occur unless the identified corrective actions are successfully implemented.
Corrective Action: Cost control measures have been implemented to reduce and/or eliminate discretionary expenditures (e.g. overtime, materials).

1.4.5/TP05 **PFP**

Description and Cause: The unfavorable cost variance is due to higher than expected costs related to the materials stabilization restart effort, the venting/vapor sampling of Tank 241-Z-361, control over the safety boundary, preventative maintenance and support to the rebaseline effort.
Impact: A cost overrun at year-end could occur unless the identified corrective actions are successfully implemented.
Corrective Action: Cost control measures have been implemented to reduce and/or eliminate discretionary (e.g., overtime and purchased services /contracts). The planned electrical circuit breaker upgrade will be deferred to FY 2000 if needed.

1.4.6/TP12 **Transition Project Management**

Description and Cause: The favorable cost variance is primarily due to the receipt of a favorable variance distribution.
Impact: No impact. The favorable variance distribution is part of the FY 1999 funding strategy and has been reprioritized to other project and site work scope.
Corrective Action: No corrective action is required.

1.4.10/TP08 **324/327 Buildings**

Description and Cause: The unfavorable cost variance is due to higher than planned costs related to the ongoing B Cell crane repairs, including the crane repair team. Additionally, spent fuel equipment design revisions and the need for more equipment plus the unplanned procurement for the 327 Legacy Waste Drum is contributing to the unfavorable cost condition.
Impact: A cost overrun at year-end will occur if identified corrective actions are not implemented.
Corrective Action: Cost control measures have been implemented to reduce and/or eliminate discretionary spending (travel, training, supplies, computer purchases), delay replacement of open staff positions, control use of overtime and cease contracts for staff augmentation.

1.4.11/TP14 **Hanford Surplus Facility Program (300 Area Revitalization)**

Description and Cause: The unfavorable cost variance is due to higher than planned costs related to the 3706 Building cold weather upgrades.
Impact: No impact.
Corrective Action: This scope is complete and maintenance support costs are expected to decrease. All other PBS variances are within established thresholds.

SCHEDULE VARIANCE ANALYSIS: (-$8.3)

WBS/PBS **Title**

1.4.2/TP02 **WESF**

Description and Cause: The unfavorable schedule variance is due to resources being diverted from the Hot Cell clean-out, design basis reconstitution and service gallery cleanup to other higher priority work scope (i.e. fruit fly contamination, Low Level Liquid Waste [LLLW] project and corrective maintenance).
Impact: Hot Cell clean out, design basis reconstitution and several corrective maintenance activities will not be completed until FY 2000.
Corrective Action: Remaining work scope has been re-prioritized in an effort to recover the schedule by yearend.

1.4.5/TP05 **PFP**

Description and Cause: The unfavorable schedule variance is primarily due to Project W-460 (PuSH) mission changes not reflected in schedule. The schedule slippage of Tank 241-Z-361 core sampling and characterization delays with the muffle furnace installation and essential facility modifications are also contributing to the variance.
Impact: No impact as long as schedule slippage is recovered by implementing the new path forward for PuSH and progress continues on thermal stabilization activities.
Corrective Action: Implementation of the PuSH BCR is expected next month. In addition, efforts to increase thermal stabilization throughput (i.e., supplemental analysis approval) and completion of the muffle furnace installation in September will significantly contribute to schedule recovery.

1.4.10/TP08 **324/327 Facility Transition**

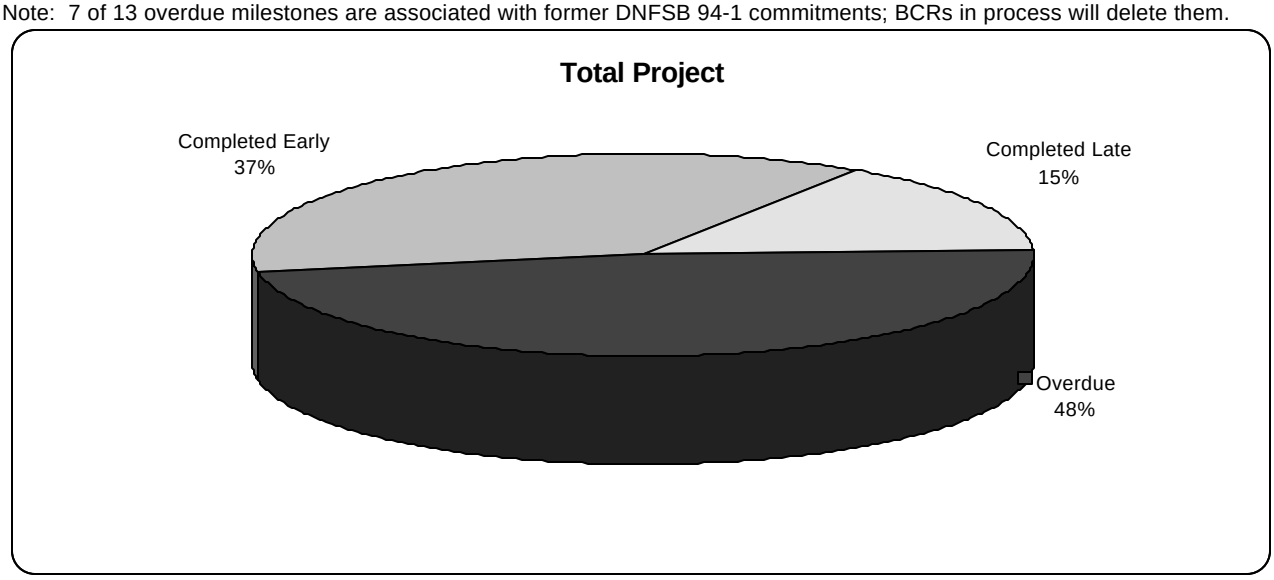
Description and Cause: The unfavorable schedule variance is due to the continuous breakdown of the 3-ton crane, 10-ton crane, and the inability to ship TRU/LLW grout containers delaying B Cell activities. Delays in procurement/fabrication of grout containers/liners as a result of design revisions and delays with the 1A/2A rack sample analysis and associated technical basis documentation have also contributed to the variance.
Impact: B Cell clean out activities are in jeopardy.
Corrective Action: The cranes have been repaired. If they continue to operate without breaking down and if the grout container shipments resume, schedule recovery is possible.

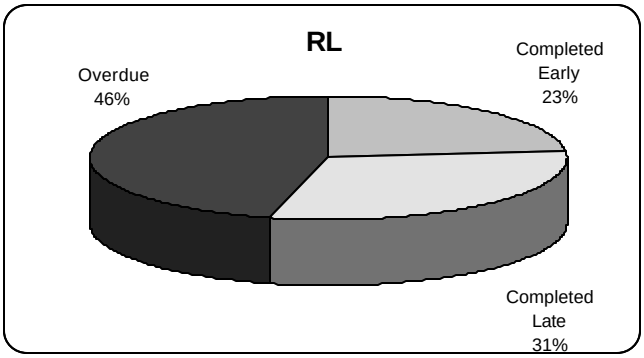
All other PBS variances are within established thresholds.

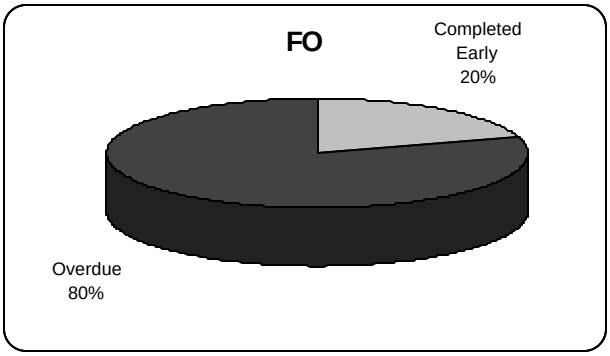
FACILITY STABILIZATION – WBS 1.4
MILESTONE ACHIEVEMENT

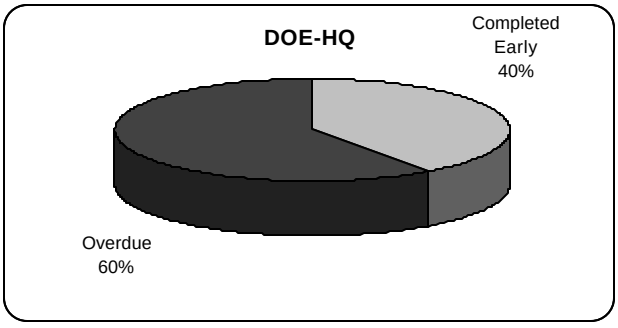
MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 1999
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	4	0	0	0	0	1	0	5
DOE-HQ	2	0	0	3	0	0	1	6
FO	1	0	0	4	0	5	0	10
RL	3	0	4	6	0	12	2	27
Total Project	10	0	4	13	0	18	3	48

Note: 7 of 13 overdue milestones are associated with former DNFSB 94-1 commitments; BCRs in process will delete them.









MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE - 13

TRP-98-408 **RL** Commence Metal Stabilization at PFP 12/01/98 Proposed
1.4.5 Deletion

Cause: Suspended metal stabilization due to Fissile Material Movement Restriction (FMMR), restart delayed due to the USQ on Pu metal hydride formation, and ongoing technical discussions on path forward for metal stabilization.
Impact: Metal stabilization suspended. This milestone is obsolete.
Corrective Action: The recently completed Integrated Projected Management Plan (IPMP) establishes a revised baseline for metal stabilization. An independent review of the IPMP and the Basis of Estimate (BOE) has been completed. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

TRP-97-407 **RL** Complete Plutonium Metal Stabilization 12/31/98 Proposed
1.4.5 Deletion

Cause: FMMR initially suspended metal stabilization. USQ on Pu metal hydride formation impacted restart requiring new Inert Atmosphere Can Opening system.
Impact: Metal stabilization suspended. This milestone is obsolete.
Corrective Action: The recently completed Integrated Projected Management Plan (IPMP) establishes a revised baseline for metal stabilization. An independent review of the IPMP and the Basis of Estimate (BOE) has been completed. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

TRP-99-410 **HQ** Complete Design, Procurement and 12/31/98 Proposed
1.4.5 Installation of New Packaging System Deletion

Cause: Procurement specifications were not issued due to uncertainties regarding the project path forward and final FY 1999 funding.
Impact: No impact. This milestone is obsolete.
Corrective Action: A significant change in the Project W-460, "Plutonium Stabilization and Handling (PuSH)" path forward is now being planned. Extensive rework of project analysis and documentation is underway to implement the planned change. This milestone will be deleted upon approval of BCR FSP-99-022, which documents the baseline re-alignment of PuSH.

TRP-99-414 **FO** Issue Notice to Proceed for Hanford 01/01/99 Proposed
1.4.5 PuSAP Unit Deletion

Cause: Procurement specifications were not issued due to uncertainties regarding the project path forward and final FY 1999 funding.
Impact: No impact. This milestone is obsolete.
Corrective Action: A significant change in the Project W-460, "Plutonium Stabilization and Handling (PuSH)" path forward is now being planned. Extensive rework of project analysis and documentation is underway to implement the planned change. This milestone will be deleted upon approval of BCR FSP-99-022, which documents the baseline re-alignment of PuSH.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date
TRP-99-407 1.4.5	**RL**	Complete Cement. /Discard/Dispose All Bulk Residue from PFP Vault	01/18/99	Proposed Deletion

Cause: This milestone was missed due to the FMMR and funding shortfalls in FY 1998.
Impact: No impact. This milestone is obsolete.
Corrective Action: A revised DNFSB 94-1 Implementation Plan was signed on December 28, 1998 by the Secretary of Energy providing a new schedule and sequence for completion of Pu stabilization activities. The recently completed IPMP establishes a revised baseline for solution stabilization. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

TRP-99-401 1.4.5	**HQ**	Complete Stabilization of Plutonium Bearing Solutions at PFP	01/31/99	Proposed Deletion

Cause: This milestone has been missed due to the FMMR and funding shortfalls in FY 1998.
Impact: No impact. This milestone is obsolete.
Corrective Action: A revised DNFSB 94-1 Implementation Plan was signed on December 28, 1998 by the Secretary of Energy providing a new schedule and sequence. A baseline change request is in development to delete this milestone and incorporate the December 1998 Implementation Plan milestones into the baseline.

TRP-98-709 1.4.2	**FO**	Complete Hot Cell Deactivation	03/31/99	06/30/00

Cause: This milestone was not completed due to resources diverted to other higher priority areas (i.e. 200 Area contamination event, Low Level Liquid Waste project, FEB preparation).
Impact: No overall impact is expected.
Corrective Action: Some work scope has been performed in parallel with the FEB preparations. However, completion of the hot cell clean up is not expected until September 1999.

TRP-99-611 1.4.1	**RL**	Complete B Plant Turnover Package	03/31/99	09/15/99

Cause: The B Plant Surveillance and Maintenance (S&M) Phase Safety Analysis Report (SAR) comment resolution with RL is ongoing, delaying completion of this milestone.
Impact: The delay does not impact completion of the Tri-Party Agreement milestone M-82-00, "Complete B Plant Facility Transition Phase and Initiate the S&M Phase," scheduled for September 30, 1999.
Corrective Action: Upon approval of the Memorandum of Agreement (MOA), facility ownership transfer will occur.

TRP-99-612 1.4.1	**RL**	Complete B Plant Punchlist	03/31/99	09/15/99

Cause: The B Plant Surveillance and Maintenance (S&M) Phase Safety Analysis Report (SAR) comment resolution with RL is ongoing, delaying completion of this milestone.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

Impact: The delay does not impact completion of the Tri-Party Agreement milestone M-82-00, "Complete B Plant Facility Transition Phase and Initiate the S&M Phase," scheduled for September 30, 1999.
Corrective Action: Upon approval of the MOA, facility ownership transfer will occur.

TRP-99-938 **RL** Complete 1A Rack Removal & Size Reduction 06/22/99 09/30/99
1.4.5
Cause: This milestone was not completed due to the continuous breakdown of the B Cell cranes.
Impact: No overall impact is expected.
Corrective Action: The 3-ton and 10-ton cranes are operating with no restrictions. Both cranes are necessary to pull the 2A Rack from the wall allowing 1A Rack size reduction activities to continue.

TRP-99-800 **FO** End Point Method Improvement 06/25/99 06/30/00
1.4.5
Cause: Resources necessary to complete this milestone were diverted to other priority work, specifically the development of the PFP baseline (Tiger Team) and offsite DOE-HQ work.
Impact: This milestone is independent of the PMBS critical path and does not impact any schedule. It represents an enhancement in the project's ability to plan deactivation work, but is not essential.
Corrective Action: This work scope will be deferred to FY 2000.

TRP-99-418 **FO** Restart Prototype Calciner 07/19/99 08/30/99
1.4.5
Cause: During initial testing activities, an oil-water mixture was found in the prototype calciner's filters, preventing restart.
Impact: Impacts meeting the FY99 target to stabilize 40 liters of plutonium solution.
Corrective Action: A dedicated breathing air compressor was installed to replace the process air system as the air source. Two work plans were prepared and issued as part of the recovery actions. This includes drying out the calciner's plutonium oxide bed and unplugging of the outlet tube.

TRP-99-403 **HQ** Start Stabilization of Polycubes 07/31/99 Proposed Deletion
1.4.5
Cause: This milestone is in jeopardy due to the FMMR and funding shortfalls in FY 1998 and FY 1999.
Impact: This milestone will be missed and the impact is currently being evaluated.
Corrective Action: A revised DNFSB 94-1 Implementation Plan was signed on December 28, 1998 by the Secretary of Energy providing a new schedule and sequence. A baseline change request is in development to delete this milestone and incorporate the December 1998 Implementation Plan milestones into the baseline

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

FORECAST LATE – 3

TRP-99-937 **FO** Remove, Package & Ship Excess 09/30/99 10/23/99
1.4.10 Equipment from B Cell

Cause: Sample analysis was re-performed due to incorrect methodology used to determine whether materials placed in grout containers would be designated as TRU or LLW. As a result, completion of this milestone will be delayed.
Impact: B Cell Cleanout is in jeopardy.
Corrective Action: Final results are expected in August, at which time they will be analyzed, interpreted, and documented in three separate documents. Expected date for preparation, review and approval is mid September 1999.

TRP-99-411 **HQ** Perform Operational Readiness Testing 09/30/99 Proposed
1.4.5 of New Repackaging System Deletion

Cause: Procurement specifications were not issued due to uncertainties regarding the project path forward and final FY 1999 funding.
Impact: No impact. This milestone is obsolete
Corrective Action: A significant change in the Project W-460, "Plutonium Stabilization and Handling (PuSH)" path forward is now being planned. Extensive rework of project analysis and documentation is underway to implement the planned change. This milestone will be deleted upon approval of BCR FSP-99-022, which documents the baseline re-alignment of PuSH.

TRP-99-412 **RL** Comp. Mod to 1 PFP Vault Room to 09/30/99 10/31/00
1.4.5 Support Repackaging System

Cause: A significant change in the Project W-460, "Plutonium Stabilization and Handling (PuSH)" path forward is now being planned.
Impact: No impact.
Corrective Action: This activity has been deferred pending approval of BCR FSP-99-022, which documents the baseline re-alignment of PuSH.

FY 1998 OVERDUE – 2

TRP-98-404 **RL** Complete Stabilization of Pu Bearing 06/24/98 Proposed
1.4.5 Solutions Deletion

Cause: Completion was not met due to technical issues related to the complexity of the project.
Impact: No impact. This milestone is obsolete.
Corrective Action: A revised DNFSB 94-1 Implementation Plan was signed on December 28, 1998 by the Secretary of Energy providing a new schedule and sequence. A baseline change request is in development to delete this milestone and incorporate the December 1998 Implementation Plan milestones into the baseline.

TRP-98-406 **RL** Complete Cementation/Discard or 09/30/98 Proposed

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date
1.4.5		Dispose 3,200 kg Bulk Residues		Deletion

Cause: FMMR initially suspended cementation activities. Due to funding limitations in FY 1998, and the USQ on Pu metal hydride formation, priority to restart metal stabilization over cementation resulted in FY 1998 and FY 1999.
Impact: No impact. This milestone is obsolete.
Corrective Action: A revised DNFSB 94-1 Implementation Plan was signed on December 28, 1998 by the Secretary of Energy providing a new schedule and sequence for completion of Pu stabilization activities. The recently completed IPMP establishes a revised baseline for solution stabilization. An independent review of the IPMP and the BOE has been completed. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

FY 1997 OVERDUE – 3

TRP-97-403	**HQ**	Begin Process Solutions at PFP	06/30/97	Proposed
1.4.5				Deletion

Cause: Completion was not met due to technical issues related to the complexity of the project.
Impact: No impact. This milestone is obsolete.
Corrective Action: The completion of Pu stabilization activities has been re-sequenced based upon the revised Implementation Plan, signed on December 28, 1998 by the Secretary of Energy. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

TRP-97-413	**RL**	Begin Processing Solutions at PFP	06/30/97	Proposed
1.4.5				Deletion

Cause: Funding delay in FY98 delayed completion of production scale vertical calciner installation. This in turn delayed the start of solution stabilization.
Impact: No impact. This milestone is obsolete.
Corrective Action: The completion of Pu stabilization activities has been re-sequenced based upon the revised Implementation Plan, signed on December 28, 1998 by the Secretary of Energy. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.

TRP-97-409	**RL**	Complete Cementation/Discard or	09/30/97	Proposed
1.4.5		Disposition of 40.4% Pu Residue		Deletion

Cause: FMMR initially suspended cementation activities. Due to funding limitations in FY 1998, and the USQ on Pu metal hydride formation, priority to restart metal stabilization over cementation resulted in FY 1998 and FY 1999.
Impact: No impact. This milestone is obsolete.
Corrective Action: The completion of Pu stabilization activities has been re-sequenced based upon the revised Implementation Plan, signed on December 28, 1998 by the Secretary of Energy. This milestone will be cancelled upon approval of BCR-99-038, which documents the re-baseline for PFP.